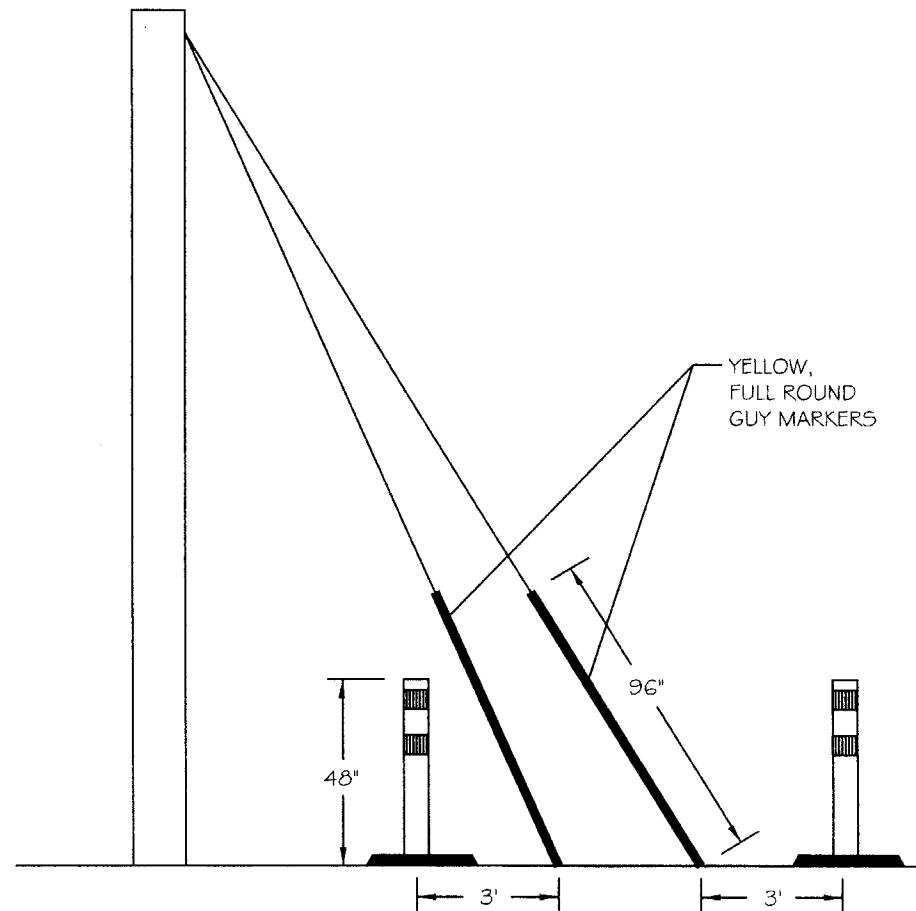
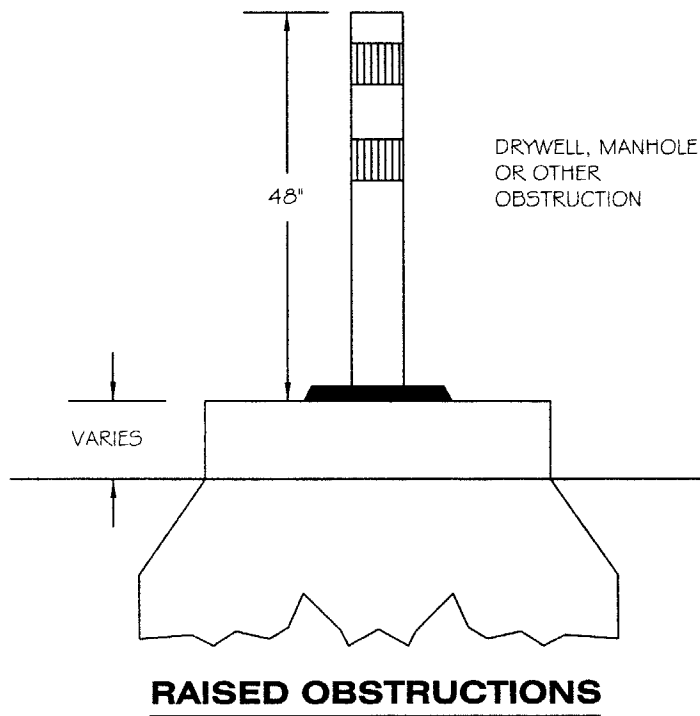


GENERAL INFORMATION

C-100 TO C-112



NOTES:

1. HAZARD MARKERS SHALL BE INSTALLED WHEN AN OBSTRUCTION MAY POSE A HAZARD TO MOTORIZED VEHICLES, MOWING EQUIPMENT, PEDESTRIANS, MAINTENANCE OPERATIONS OR AS DIRECTED BY THE ENGINEER.
2. HAZARD MARKERS SHALL MEET THOSE SPECIFICATIONS AS SHOWN IN MAG STD DTL 141.
3. MAG STD DTL 141 TYPE 2 MAY BE USED AROUND RAISED OBSTRUCTIONS AS AN ALTERNATE; HOWEVER, THREE (3) MARKERS MUST BE PLACED AT 120° INTERVALS AROUND THE OBSTRUCTION.

DETAIL NO.
C-100
NTS

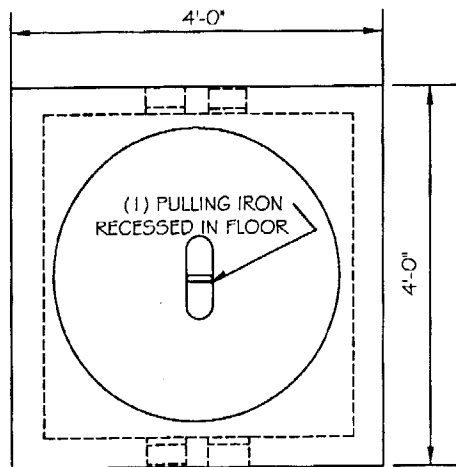
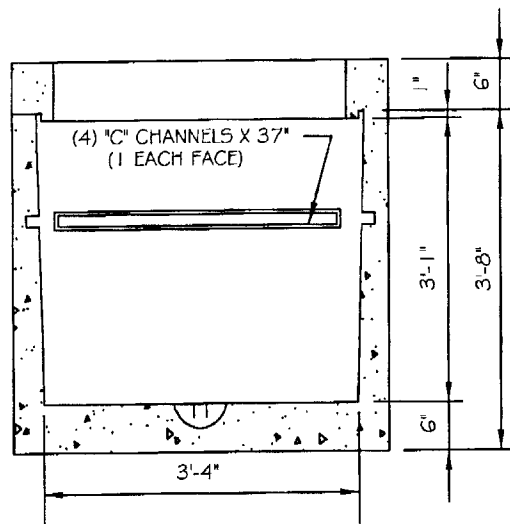
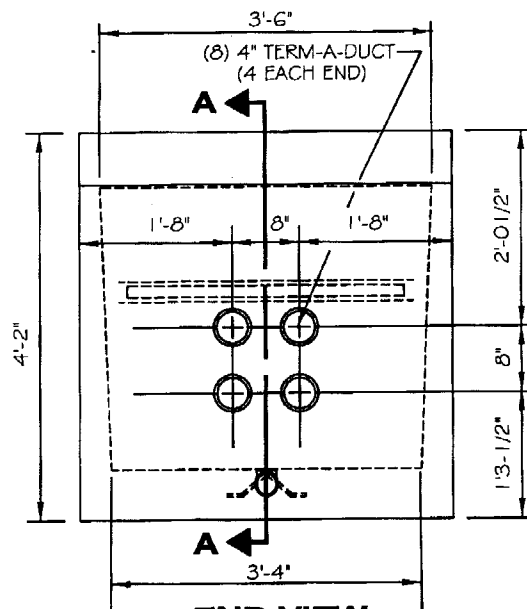
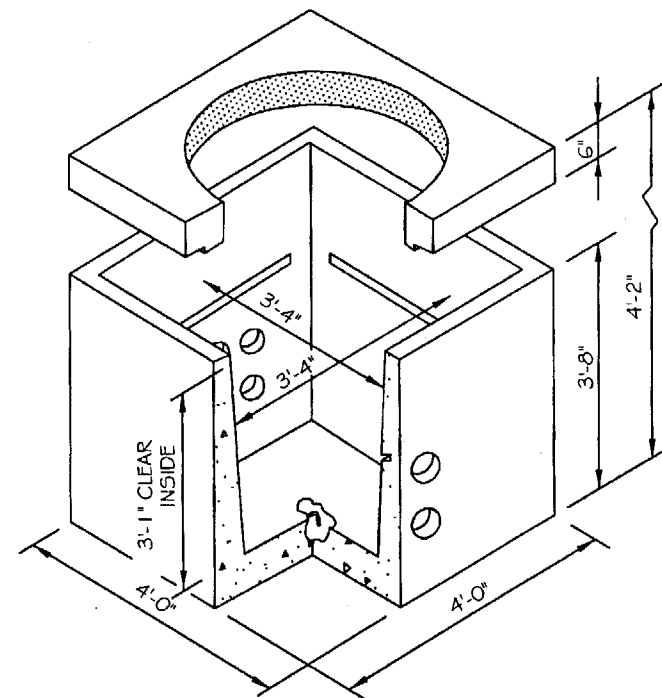


CITY OF
CHANDLER
STANDARD
DETAIL

HAZARD MARKER PLACEMENT

APPROVED: *[Signature]*
CITY ENGINEER
DATE: *01/14/10*

DETAIL NO.
C-100
NTS

**PLAN VIEW****SECTION VIEW A-A****END VIEW****ISOMETRIC VIEW****NOTES:**

1. VAULT SHALL BE UTILITY VAULT CO. #444-TA OR APPROVED EQUAL.
2. FRAME AND COVER SHALL BE MAG STD DTL 536 - ALTERNATE COVER FOR CURB OPENING CATCH BASINS.
3. COVER SHALL BE FILLED WITH CONCRETE, BROOM FINISHED, AND STAMPED WITH CITY OF CHANDLER LOGO.

DETAIL NO.

C-103

NTS

CITY OF
CHANDLER
STANDARD
DETAIL**FIBER OPTIC CABLE SPLICING VAULT**APPROVED: *[Signature]*


CITY ENGINEER

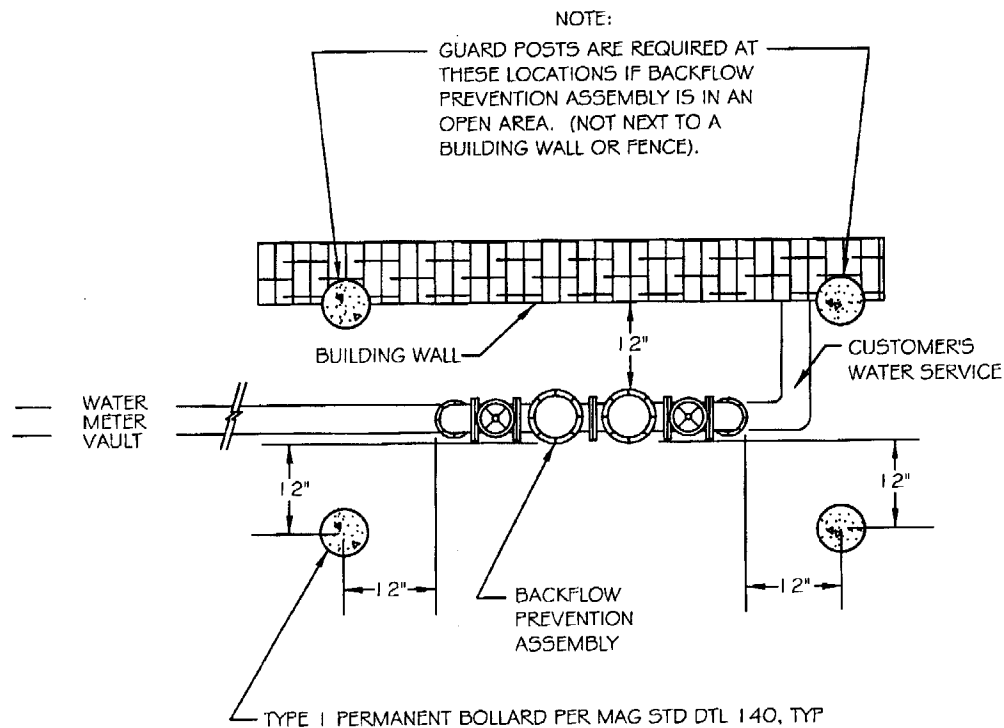
DATE: *01/08/05*

DETAIL NO.


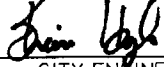
C-103

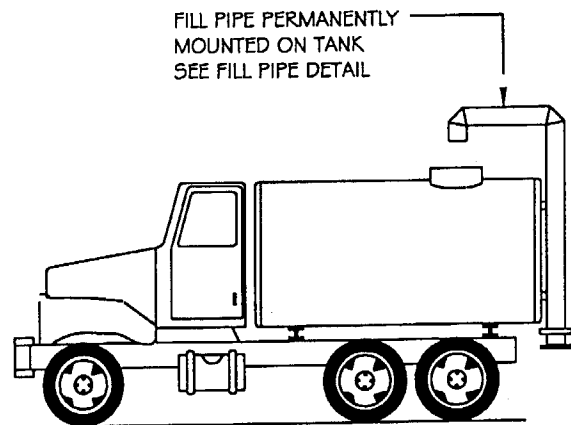
NTS

DETAIL NO. C-104 NTS	 CITY OF CHANDLER STANDARD DETAIL	FIBER OPTIC CABLE DUCTS	APPROVED: <u><i>John H. [Signature]</i></u> CITY ENGINEER DATE: <u>01/08/09</u>	DETAIL NO. C-104 NTS
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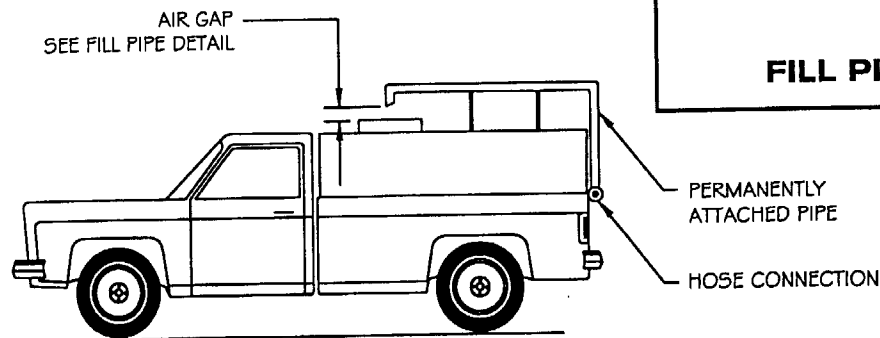


**GUARD POST FOR BACKFLOW
PREVENTION ASSEMBLY**

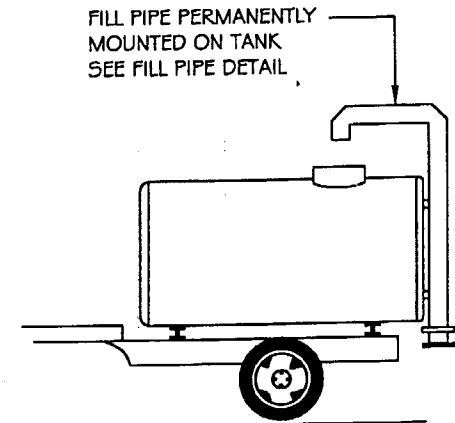
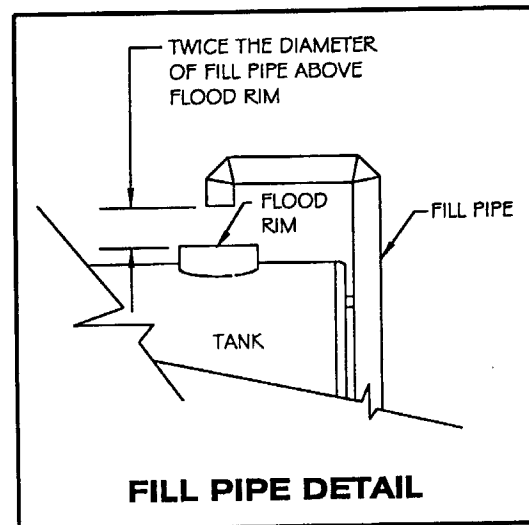
DETAIL NO. C-105 NTS	 CITY OF CHANDLER STANDARD DETAIL	GUARD POST FOR BACKFLOW PREVENTION ASSEMBLIES	APPROVED:  CITY ENGINEER DATE: 01/08/09	DETAIL NO. C-105 NTS
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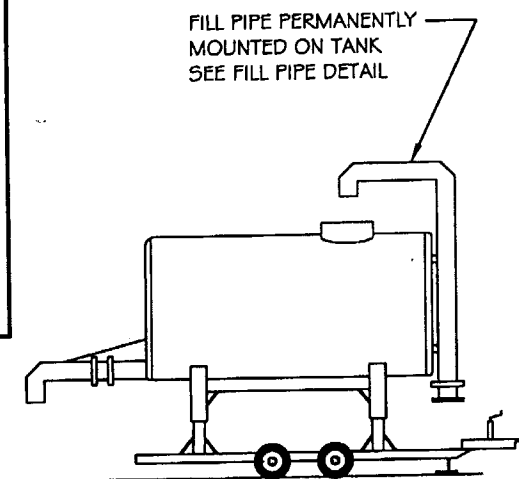
WATER TRUCK



WATER TRUCK



WATER WAGON



ELEVATED TANK

C-108
REPLACES
95



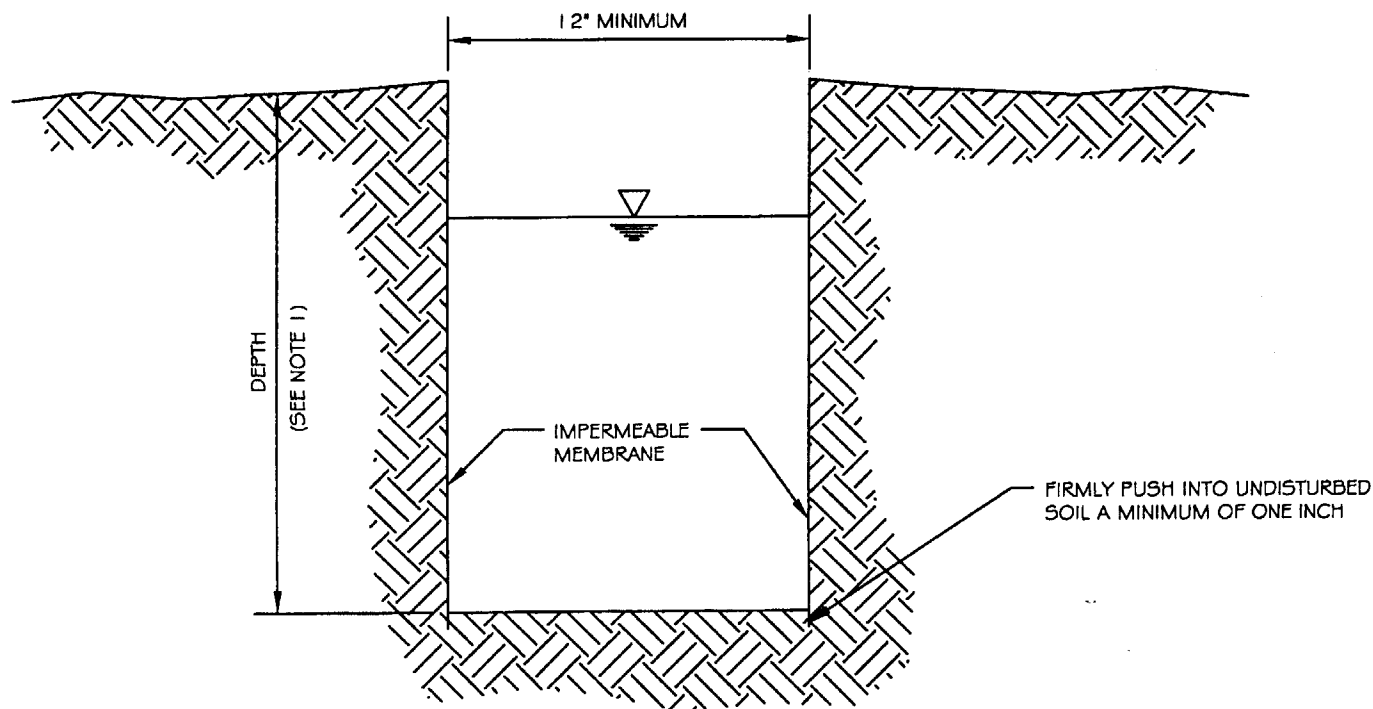
CITY OF
CHANDLER
STANDARD
DETAIL

**AIR GAP BACKFLOW PROTECTION
FOR WATER TANKS**

APPROVED: *Ben D. Peterson*
CITY ENGINEER
DATE: 11-19-99

DETAIL NO.

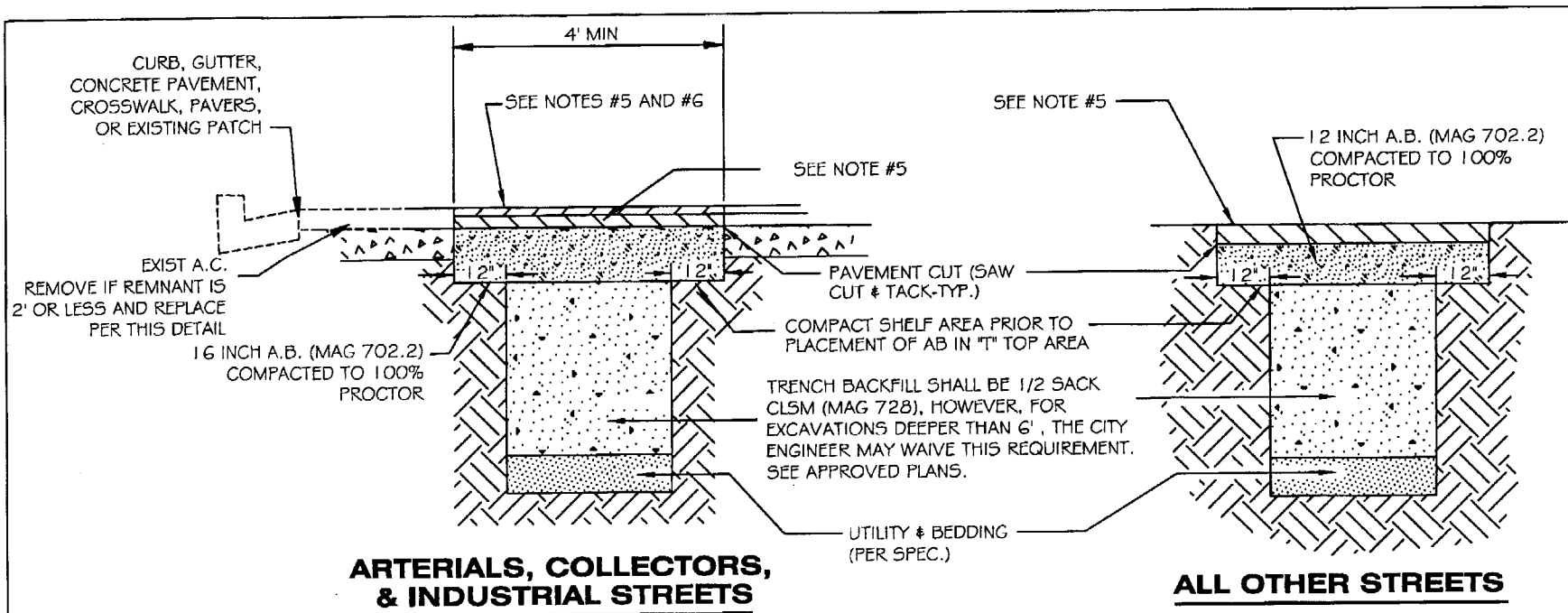
C-108
NTS



NOTES:

1. THE TEST SHALL BE PERFORMED THREE FEET BELOW NATURAL GROUND OR AT THE ELEVATION OF THE BOTTOM OF THE RETENTION BASIN, WHICHEVER IS LOWER.
2. THE TEST HOLE SHALL BE PREWETTED FOR 24 HOURS, OR UNTIL A STABILIZED PERCOLATION RATE IS ACHIEVED.
3. THE TEST HOLE SHALL BE REFILLED DURING THE PREWETTING PERIOD AS NECESSARY TO MAINTAIN A FREE WATER SURFACE. IF AT ANY TIME A FREE WATER SURFACE IS NOT MAINTAINED, THE PREWETTING PROCESS SHALL BE RESTARTED.
4. THE TEST RESULTS ARE TO BE EXPRESSED IN THE UNITS OF CUBIC FEET PER HOUR PER SQUARE FOOT OF PERCOLATION AREA.

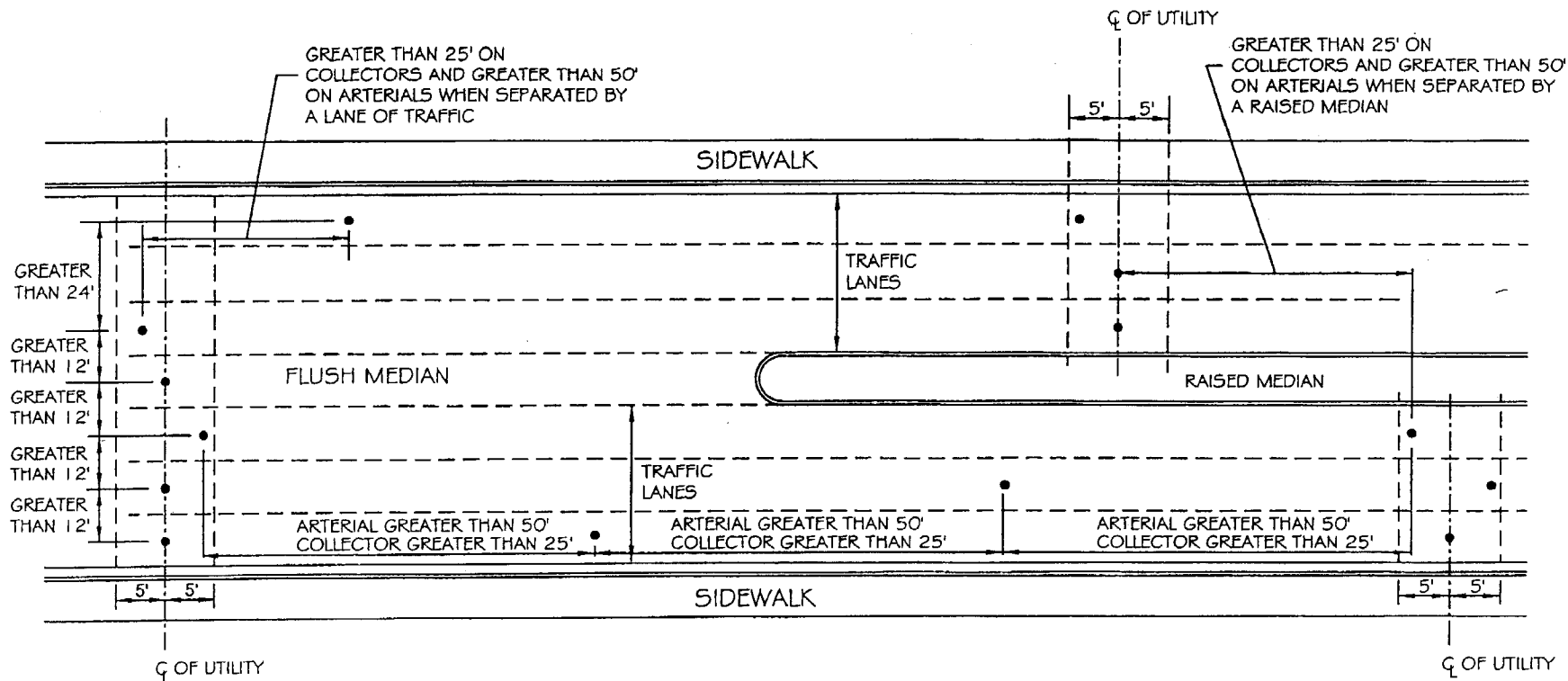
DETAIL NO. C-109 NTS	 CITY OF CHANDLER STANDARD DETAIL	SHALLOW PIT PERCOLATION TEST REQUIREMENTS	APPROVED:  CITY ENGINEER DATE: <u>11-19-99</u>	DETAIL NO. C-109 NTS
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NOTES:

1. ALL TRENCH BACKFILL AND PAVEMENT REPLACEMENT ON EXISTING STREETS SHALL BE AS SHOWN IN THIS DETAIL.
2. PAVEMENT REMOVAL AND REPLACEMENT DETAIL SHALL BE USED ON ALL EDGES INCLUDING TRENCH ENDS EXCEPT WHERE THE EDGE IS PORTLAND CEMENT CONCRETE.
3. WHERE CUT IS 24 INCHES OR LESS FROM THE EDGE OF AN EXISTING PATCH, CURB AND GUTTER, CONCRETE PAVEMENT, CONCRETE CROSSWALKS AND/OR DECORATIVE PAVERS, REMOVE THE EXISTING AC BETWEEN THE CUT AND THIS EDGE AND REPLACE. THE THICKNESS OF THE REPLACEMENT PAVEMENT IN THIS AREA SHOULD BE EQUAL TO THIS DETAIL OR EXISTING AC THICKNESS, WHICHEVER IS GREATER.
4. PLACE AND COMPACT AB IN LIFTS NOT EXCEEDING 8".
5. AT A MINIMUM, MATCH EXISTING ASPHALT THICKNESS. FOR ARTERIAL STREET, PROVIDE A MINIMUM OF 2" OF A12.5 ON 3" OF A19. FOR COLLECTOR, PROVIDE A MINIMUM OF 3" OF R19. FOR RESIDENTIAL, PROVIDE A MINIMUM OF 2" OF R12.5. ALL MIX DESIGNS SHALL CONFORM TO EVAC SPEC.
6. WHERE PATCHES ARE LOCATED IN STREETS SURFACED WITH RUBBERIZED ASPHALT, A RUBBERIZED ASPHALT MIX DESIGN SHALL BE SUBMITTED TO THE CITY ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.

<p>DETAIL NO.</p> <p>C-110</p> <p>NTS</p>	 <p>CITY OF CHANDLER STANDARD DETAIL</p>	<p>PAVEMENT CUT AND PATCH</p>	<p>APPROVED: <i>Jim High</i></p> <p>CITY ENGINEER</p> <p>DATE: 01/08/09</p>	<p>DETAIL NO.</p> <p>C-110</p> <p>NTS</p>
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NOTES:

1. SEE SPECIFICATION NO. 3
2. DIMENSIONS FOR POTHOLE SPACING IS MEASURED TO THE EDGE OF THE POTHOLE

DETAIL NO.
C-111
NTS



CITY OF
CHANDLER
STANDARD
DETAIL

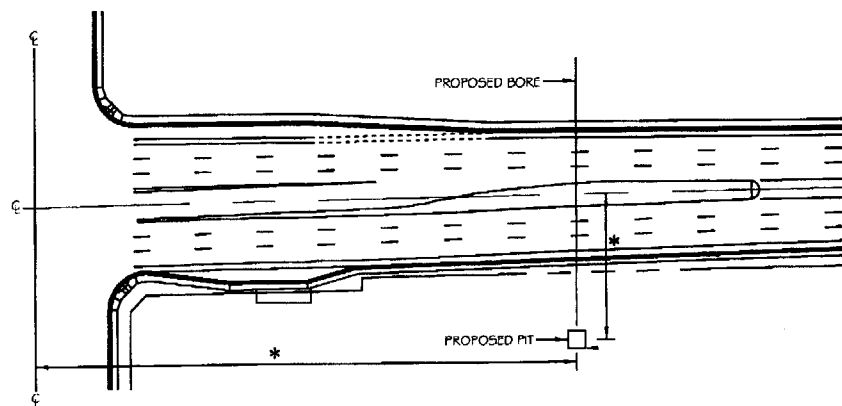
**MINIMUM POTHOLE SPACING
FOR PAVEMENT RESTORATION
FEE EXEMPTION**

APPROVED

DATE:

Elizabeth [Signature]
CITY ENGINEER
11/20/03

DETAIL NO.
C-111
NTS

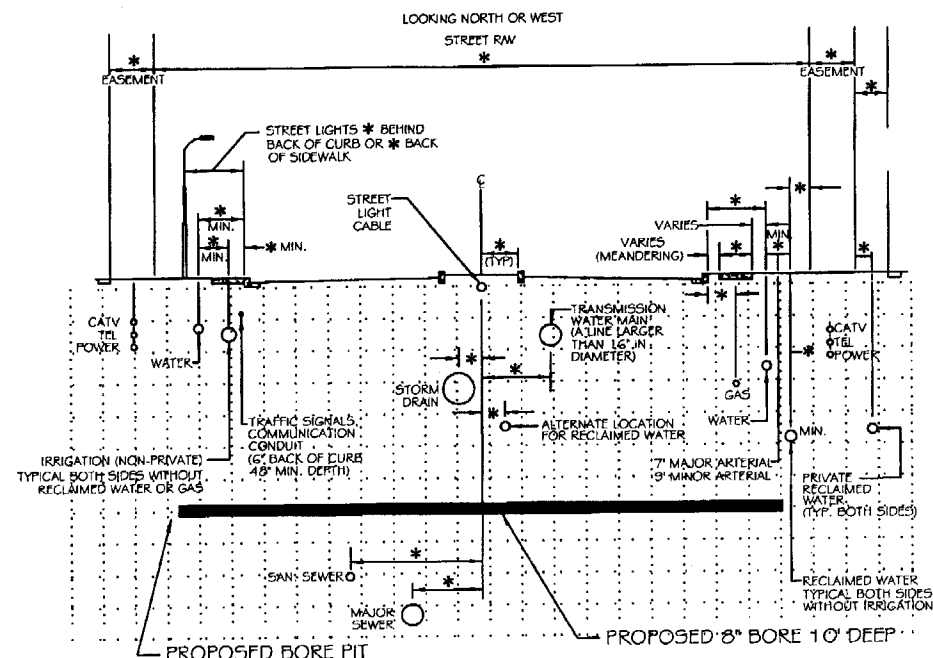


PLAN VIEW

NOT TO SCALE

NOTES:

1. * PROVIDE PROPOSED LOCATION OF BORE AND ALL UTILITIES WITH VERTICAL & HORIZONTAL DIMENSIONS, AS WELL AS DIMENSIONS OF FACILITIES TO BE CROSSED.
2. 12" BY 12" MAX. SIZE POTHOLES ALLOWED TO VERIFY UNKNOWN UTILITY LOCATION AND TO MONITOR BORES PASSING WITHIN 2' OF EXISTING UTILITIES. CORE DRILLING IS PREFERRED.
3. 1' X 1' AND 2' X 2' POTHOLE PLATES ARE NOT PERMITTED. RESTORE POTHOLES PER MAG STD DTL 212.
4. ALL BORES TO BE SLEEVED IN SCHEDULE 40 PVC OR BETTER.
5. BACKFILL REQUIREMENTS OF PIT SHALL BE PER MAG SECTION 601
6. JURISDICTION SHALL BE NOTIFIED IF OBSTRUCTIONS ARE ENCOUNTERED.
7. GUIDED BORE REQUIRED IF LENGTH IS MORE THAN 45'.
8. THE CONTRACTOR SHALL MAKE ARRANGEMENTS WITH THE OWNER OF ANY DAMAGED FACILITY FOR ITS REPAIR OR REPLACEMENT. COST OF SUCH REPAIRS SHALL BE IN COMPLIANCE WITH M.A.G. OR SPECIAL AGREEMENTS.



BORE PROFILE TYPICAL SECTION

9. REPLACE OR REPAIR ANY LANDSCAPING/SPRINKLER DAMAGED DURING THE COURSE OF THE WORK. PER MAG 107.9.
10. PERMISSION REQUIRED FROM THE CITY PRIOR TO REMOVING OR TRIMMING ANY LANDSCAPING.
11. 24" MIN. CLEARANCE SHALL BE PROVIDED BETWEEN BORE AND ALL EXISTING UTILITIES.

DETAIL NO.

C-112

NTS



CITY OF
CHANDLER
STANDARD
DETAIL

ENGINEERED UTILITY BORE

APPROVED:

DATE:

John Hyl
CITY ENGINEER
01/08/09

DETAIL NO.

C-112

NTS